



Route 50 Widening Design/Build Project

The Project Team

- Virginia Department of Transportation
- Shirley Contracting Company
- Dewberry
- Fairfax and Loudoun Counties



Objectives

- Provide an Overview of the Project
- Discuss the Current Project Schedule and Upcoming Milestone Dates
- Describe Current & Completed Construction Activities
- Answer Your Questions



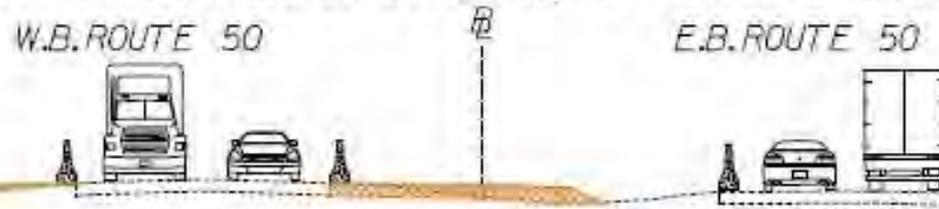
Major Design Features

- **Ultimate Six Lane Roadway**
- **Signals at Tall Cedars Pkwy, Both Pleasant Valley Rds, Stonecroft Blvd, Avion Pkwy and Lee Rd**
- **Paved 10' Wide Shared Use Path on North and South Sides**
- **New Bridges Over Cub Run**
- **Complete Reconstruction of All Pavement**

Construction Sequence Stages 1, 2 & 3

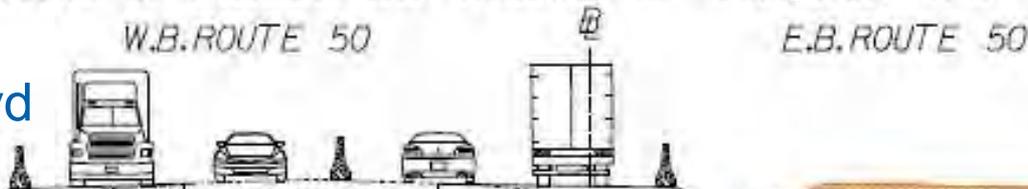
STAGE 1A & 1B - Construction of Temporary EB & WB Travel Lanes

Complete.



STAGE 2 - Construction of Ultimate EB Roadway & Temporary WB Travel Lanes

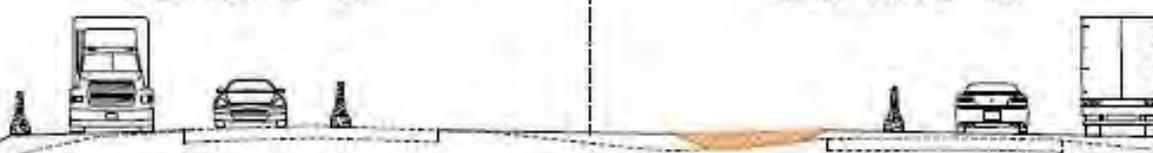
Stonecroft Blvd
to Lee Road.



STAGE 3 - Construction of Temporary WB Travel Lanes

W.B. ROUTE 50

E.B. ROUTE 50



Construction Sequence Stages 4 & 5

STAGE 4 - Construction of Ultimate WB Roadway

Stonecroft Blvd to
PV Road Fairfax.

W.B.ROUTE 50



E.B.ROUTE 50



STAGE 5 - Completion of Median Reconstruction

Poland Road to
PV Road Fairfax.

W.B.ROUTE 50



E.B.ROUTE 50



Project Schedule

May 2011	Kick-Off to Design/Build
Fall 2011	Complete Design, Obtain Permits
September 2011	Begin Construction
Dec 2011- End 2012	Right-of-way Acquisitions
Summer 2012 - Present	Utility Relocations
November 2015	Construction Complete

Upcoming Milestones

June 2014

Complete WB (2 Lanes) from
Stonecroft Blvd to PV Road Fairfax

July 2014

Complete EB (2 Lanes) at
Tall Cedars Parkway

August 2014

Complete EB (3rd Lane) from
Poland Road to Stonecroft Blvd

September 2014

Complete EB (2 Lanes) from
Lee Road to Stonecroft Blvd

December 2014

Complete WB (3rd Lane) from
Stonecroft Blvd to Poland Road

December 2014

Complete Permanent Signals at
Poland Road, Tall Cedars
Parkway, PV Road Loudoun &
Fairfax

Upcoming Milestones

December 2014

Complete & Open WB (2 Lanes)
from Lee Road to Stonecroft Blvd

December 2014

Complete & Open Spur Ramp to
Lee Road from Route 28 South

May 2015

Complete & Open WB (3rd Lane)
from Lee Road to Stonecroft Blvd
(Three Lanes Open in Both
Directions Throughout Project)

June 2015

Complete Permanent Signals at
Stonecroft Blvd, Avion Parkway and
Lee Road

October 2015

Complete Trails, Surface Paving,
Permanent Signage, Permanent
Striping & Permanent Seeding)

November 2015

Complete Punchlist

Completed Project Activities

- **Right-of-way Acquisitions (75 Properties)**
- **Utility Relocations (Electric)**
 - Dominion Virginia Power
 - Overhead – 12,800 feet & 78 poles
 - Underground – 3,700 feet



Completed Project Activities

➤ Utility Relocations (Communications)

- Verizon Northern Virginia
 - Overhead – 9,200 feet Fiber
- Cox Communications
 - Overhead – 17,000 feet Fiber
- Comcast Communications
 - Overhead – 500 feet Fiber
- MCI / Zayo Communications
 - Underground – 9,600 feet Fiber
- Verizon South
 - Underground - 7,800 feet Fiber & Copper
 - Overhead – 8,700 feet Fiber



Completed Project Activities

➤ Utility Relocations (Gas)

➤ Washington Gas

➤ 1,500 feet 12" Steel

➤ 2,000 feet 6" Plastic

➤ Columbia Gas

➤ 400 feet 6" Plastic



Completed Project Activities

➤ Utility Relocations (Self Performed)

➤ Loudoun Water

➤ 5,800 feet 36" Watermain

➤ Fairfax Water

➤ 2,200 feet 12" Watermain

➤ 900 feet 36" Watermain

➤ 8,400 feet 24" Watermain



Completed Project Activities

➤ Utility Relocations (Self Performed)

➤ Fairfax Sanitary Sewer

➤ 200 feet 36" Sewer Main

➤ 900 feet 6" Lateral Relocation



Completed Project Activities

➤ Demolition

- 120,000 SY Asphalt Demolished (4,000 Truck Loads)
- 11,000 feet Curb & Gutter Demolished
- 5,000 feet Guardrail Removed



Completed Project Activities

➤ Roadway Barrier

- 120,000 feet Set & Relocated (22 Miles, 1200 Truck Loads)



Completed Project Activities

➤ Temporary Pavement

- 70,000 SY Roadway Grading
- 30,000 Tons Roadway Stone Placed (1500 Truck Loads)
- 39,000 Tons Asphalt Placed (1950 Truck Loads)



Completed Project Activities

➤ Earthwork

- 200,000 Cubic Yards of Dirt Moved (25,000 Truck Loads)
- 4 Stormwater Management Ponds Installed



Completed Project Activities

➤ Storm Drainage

- 23,000 feet Storm Pipe Installed (4 miles)
- 220 Storm Structures Installed



Completed Project Activities

➤ Permanent Roadway

- 32,000 Tons Roadway Stone Placed (1600 Truck Loads)
- 15,500 feet Underdrain Installed
- 15,000 feet Curb & Gutter Installed
- 75,000 Tons Asphalt Placed (3750 Truck Loads)



Completed Project Activities

➤ Box Culverts

- 485 feet Reinforced Double Barrel Box Culvert
- 1,000 CY Concrete Placed (100 Truck Loads)
- 175,000 LBs Rebar Installed



Completed Project Activities

➤ Retaining Walls

➤ 640 feet Concrete Retaining Wall

➤ 400 CY Concrete Placed (40 Truck Loads)



Completed Project Activities

➤ **Cub Run Bridge (Eastbound & Westbound)**

- 1,200 feet Piling Installed (112 Piles)
- 600 CY Concrete Placed (Substructures)
- 14 Concrete Girders Installed
- 960 CY Concrete Placed (Deck Superstructures)
- 400 feet Parapets, Railing & Fence Installed



Public Communication of Upcoming Traffic Changes

- **VDOT to Send Public Notifications for Major Shifts**
- **Notices will be provided to Supervisors / Delegates**
- **Notices will be distributed to Email distribution list**
- **Fire, Rescue, and schools notified**
- **Variable Message Boards will be placed one week in advance**

For More Information About Route 50 Widening Project:

http://www.virginiadot.org/projects/northernvirginia/route_50_widening.asp

(this webpage will be updated throughout the project development)

Or Google: “Route 50 Widening”

Questions and Answers